

Figure 1. Scheme showing the encoding and decoding mechanisms of the present invention.

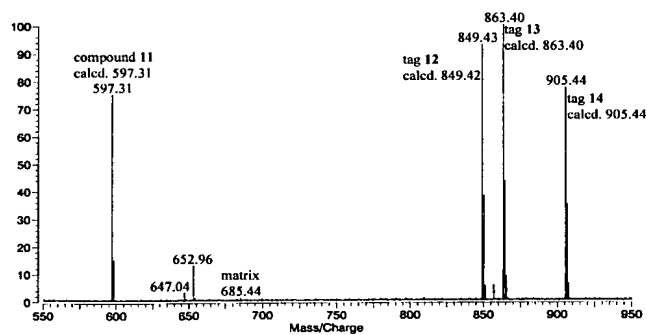


Figure 2. MALDI-FTMS spectrum of single-bead analysis for the resin containing library compound 11 and coding tags 12-14. This model compound was synthesized on beads with a cleavable linker on both the outer layer and inner core.

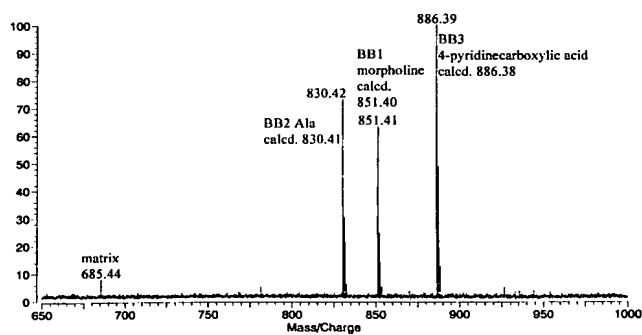


Figure 3. MALDI-FTMS decoding spectrum for compound 15 from the library of Example 5, screening against streptavidin.

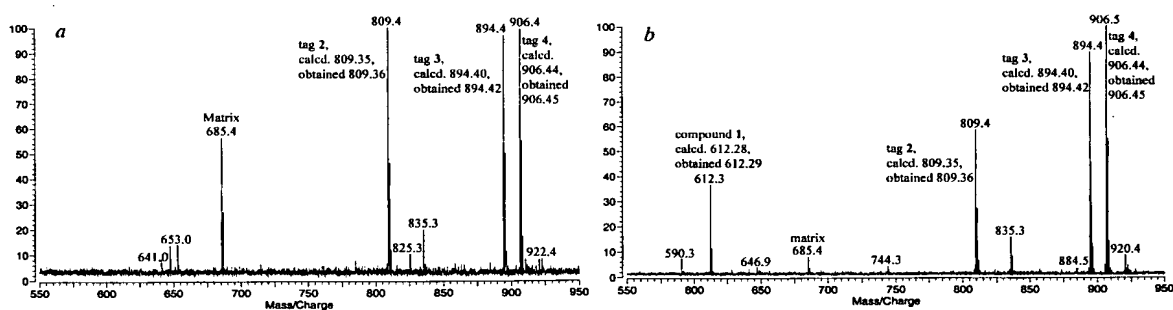


Figure 4. Comparison of MALDI-FIMS spectra of single-bead analysis for the resin containing library compound 1 and coding tags 2-4 of Example 6. *a*) Non-cleavable scaffold linker; *b*) Cleavable scaffold linker.

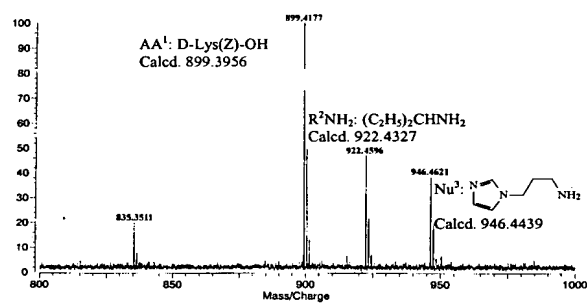


Figure 5. A typical MALDI-FTMS decoding spectrum of streptavidin ligands from Example 6.